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3 WIND DAM ELECTRIC GENERATOR AND METHOD

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5 ABSTRACT OF THE DISCLOSURE

6 A vertical axis windmill is provided wherein the amount of  
7 wind directed to blades in the power producing part of rotation  
8 and the mechanical load of multiple generators is controlled by a  
9 feedback control to maintain a relatively constant rotational  
10 frequency of the shaft of the windmill. In a preferred  
11 embodiment, two wind foils extend radially outwardly from the  
12 blades to thereby provide a scoop capable of pulling in more air  
13 than would normally be received by the blades. The wind foils  
14 then direct the wind flow to the power producing part of rotation  
15 of the blades for maximum power output, when necessary. The wind  
16 foils can close to control the wind flow to the blades. The  
17 generating capacity of a plurality of generators is also  
18 controlled in response to shaft rotation to maintain  
19 substantially constant shaft rotation.